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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/761,642	01/21/2004	Fabio Casati	200310151-1	3326

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EXAMINER

RAYYAN, SUSAN F

ART UNIT PAPER NUMBER

2167

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/18/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

# Office Action Summary

Application No.

10/761,642

Applicant(s)

CASATI ET AL.

Examiner

Susan F. Rayyan

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

*Susan Rayyan*  
*April 10, 2007*

### DETAILED ACTION

1. Claims 1-20 are pending.

#### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1-9, 11-20 are rejected under 35 U.S.C. 102(b) as being anticipated by US Patent Publication Number 2003/0041044 A1 issued to Charles Joseph Monestere III (Monestere”).**

As per independent claim 1 Monestere anticipates:

selecting, by a user, at least one metric from an alternative representation of a database of existing data (paragraphs 35-36: Monesteres' search criteria that can be used to identify the reports of possible interest to the user equates to Applicants' metrics );

selecting a mapping based on the at least one metric (paragraph 36: Monesteres' search module uses the search criteria of the search request to search (query) the mirror database);

Art Unit: 2167

invoking a mapping to create a search query (paragraph 36: Monesteres' search module uses the search criteria of the search request to search the mirror database in the mirror database system equates to Applicants' description of a "mapping" as a search query in the Summary of the Invention);

invoking an interpreter to execute the search query and return data related to the search query (paragraph 36 and 37, lines 1-4: Monesteres' **search module** uses the search criteria of the search request to search the mirror database in the mirror database system and using the data subsets stored in the mirror database, the search module compiles a search result list equates to Applicants' **interpreter** as described in the specification at paragraph 10 as capable of processing queries to retrieve and store data to the set of data at paragraph 10 of specification);

and displaying the data related to the search query (paragraph 37, lines 6-8).

As per claim 2, same as claim argument s above and Monestere anticipates:

wherein selecting further comprises selecting from the alternative representation of the database wherein the alternative representation is a reduced version of the existing data (paragraph 4, lines 9-11, paragraph 20, lines 1-13).

Art Unit: 2167

As per claim 3, same as claim arguments above and Monestere anticipates:

wherein selecting further comprises selecting a metric (paragraph 35, lines 1-2: metric equates to search criteria).

As per claim 4, same as claim arguments above and Monestere anticipates:

generating a request based on the existing data from the request based on the at least one metric prior to the invoking(paragraph 35);

and wherein the invoking further comprises invoking the interpreter using the request based on the at least one metric(paragraph 36).

As per claim 5, same as claim arguments above and Monestere anticipates:

wherein selecting further comprises selecting the at least one metric from the alternative representation of the database of existing data to create a generic structured query language (SQL) request based on the at least one metric(paragraph 21, lines 6-9).

As per claim 6, same as claim arguments above and Monestere anticipates:

wherein generating further comprises generating a specialized SQL request based on the existing data from the request based on the at least one metric(paragraph 21, lines 6-9).

As per claim 7, same as claim arguments above and Monestere anticipates:

Art Unit: 2167

wherein the selecting further comprises selecting at least one metric from the alternative representation of the database of existing data, the alternative representation incorporated with the existing data in the database(paragraph 15) .

As per independent claim 8 Monestere anticipates:

maintaining existing data (paragraph 20, lines 1-5);  
storing metrics related to the existing data (paragraph 20, lines 4-12: metrics equates to search criteria);  
selecting a mapping based on the at least one metric (paragraph 36: Monesteres' search module uses the search criteria of the search request to search (query) the mirror database);  
using the selected mapping, mapping the existing data to the metrics (paragraph 35, lines 5-13mapping equates to search query);  
and providing access to the existing data by referencing the metrics (paragraph 36).

As per claim 9, same as claim argument s above and Monestere anticipates:

wherein mapping further comprises mapping the existing data to a set of predefined metrics (paragraphs 19-20).

As per claim 11, same as claim argument s above and Monestere anticipates:

wherein the providing further comprises generating a specific query to the existing data using the metrics (paragraph 35).

As per independent claim 12 Monestere anticipates:

a computer system having a central processing unit (CPU) (Figure 1);

a memory coupled to the CPU, the memory storing a reporting application executable by the CPU (Figure 1 and paragraph 15);

a database coupled to the computer system, the database storing a previously created data set (Figure 1 and paragraph 4);

wherein the database comprises an alternative representation of the previously created data and an interpreter that executes search queries generated from mappings stored in the alternative representation (paragraph 28 mirror database, paragraph 36 (search module equates to interpreter and mapping equates to the search query and paragraph 37, lines 1-2).

As per claim 13, same as claim arguments above and Monestere anticipates:

wherein the database is part of the computer system (paragraph 13).

As per claim 14, same as claim arguments above and Monestere anticipates:

wherein the reporting program allows a user to select at least one metric from the alternative representation of the database to create a request based on the at least one metric (paragraph 35-36), and wherein an interpreter of the database modifies the

Art Unit: 2167

request to pertain to the previously created data (paragraph 37, lines 1-9).

As per claim 15, same as claim arguments above and Monestere anticipates:  
further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

As per claim 16, same as claim arguments above and Monestere anticipates:  
wherein the reporting program allows a user to select at least one metric from the  
alternative representation of the database to create structured query language (SQL)  
request based on the at least one metric, and wherein an interpreter of the database  
replaces labels of the SQL request to pertain to the previously created data (paragraphs  
21, 35-36).

As per claim 17, same as claim arguments above and Monestere anticipates:  
wherein the database comprises a reduced representation as the alternative  
representation (paragraph 4, lines 9-11).

As per independent claim 18 Monestere anticipates:  
a computer system having a means for executing program, a means for storing  
programs coupled to the means for executing, the means for storing a reporting  
application executable by the means for executing (Figure 1); a database coupled to the  
computer system, the database storing a previously created data set (paragraph 4, lines  
9-11 and paragraph 37, lines 1-2);



Art Unit: 2167

wherein the database comprises an alternative representation of the previously created data and an interpreter that executes search queries generated from mappings stored in the alternative representation (paragraph 36: mirror database, mappings equate to search query and interpreter equates to the search module).

As per claim 19, same as claim arguments above and Monestere anticipates:

wherein the reporting program allows a user to select at least one metric from the alternative representation of the database to create a request based on the at least one metric, and wherein an interpreter of the database modifies the request to pertain to the previously created data(paragraphs 21, 35-36).

As per claim 20, same as claim arguments above and Monestere anticipates:

further comprising allowing the user to select a metric (paragraph 35, lines 1-2).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent Publication Number 2003/0041044 A1 issued to Charles Joseph Monestere III (Monestere") in view of US Patent Application Publication Number 2005/0256766 A1 issued to Johann S. Garcia et al ("Garcia").**

As per claim 10, same as claim arguments above and Monestere does not explicitly teach wherein mapping further comprises utilizing a general mapping table ... Garcia does teach utilizing a general mapping table ... (paragraph 72) to efficiently map or translate incoming search terms at paragraph 72, lines 4-5. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Monestere with utilizing a general mapping table ... to efficiently map or translate incoming search terms at paragraph 72, lines 4-5.

***Response to Arguments***

4. Applicant's arguments filed October 17, 2006 have been fully considered but they are not persuasive.

Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Regarding claims 12, 18 Applicant argues prior art of record does not teach "an interpreter that executes search queries generated from mappings". Monesteres' **search module** uses the search criteria of the search request to search (query) the mirror database in the mirror database system and using the data subsets stored in the mirror database, the search module compiles a search result list equates to Applicants' **interpreter** as described in the specification at paragraph 10 as capable of processing queries to retrieve and store data to the set of data at paragraph 10 of specification);

***Conclusion***

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

Art Unit: 2167

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

### Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-1675. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Susan Rayyan

April 10, 2007

  
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